

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) Polyisocyanates having a uretdione group content of greater than 50 mol%, ~~based on the entirety of the types of structure formed by isocyanate oligomerization,~~ wherein the residual monomer content is below 0.3% by weight and does not exceed 0.5% by weight after six-month storage at 50°C.
2. (Currently Amended) A process for preparing the polyisocyanates of Claim 1, comprising the steps consisting essentially of reacting
 - e) a) at least one organic isocyanate at reaction temperatures of $\leq +40^{\circ}\text{C}$ with a catalyst which comprises at least one trialkylphosphine so that the conversion of the free NCO groups is from 1 to 80% by weight and then
 - e) b) separating the active catalyst from any residual, unreacted monomer from the reaction mixture.
3. (Original) A method for producing polyurethane materials, coatings, adhesives and adjuvants comprising adding the polyisocyanates of Claim 1 to a composition comprising a binder.
4. (Original) Substrates coated with coatings of Claim 3.
5. (Original) The process of Claim 2, wherein the trialkylphosphine is selected from the group consisting of trimethylphosphine, triethylphosphine, tripropylphosphine, tributylphosphine, cyclopentyl-dimethylphosphine, pentyl-dimethylphosphine, cyclopentyl-diethylphosphine, pentyl-diethylphosphine,

cyclopentyl-di-propylphosphine, pentyl-di-propylphosphine, cyclopentyl-dibutylphosphine, pentyl-dibutylphosphine, cyclopentyl-dihexylphosphine, pentyl-dihexylphosphine, dicyclopentyl-methylphosphine, dipentyl-methylphosphine, dicyclopentyl-ethylphosphine, dipentyl-ethylphosphine, dicyclopentyl-propylphosphine, dipentyl-propylphosphine, dicyclopentyl-butylphosphine, dipentyl-butylphosphine, dicyclopentyl-hexylphosphine, dipentyl-hexylphosphine, dicyclopentyl-octylphosphine, dipentyl-octylphosphine, tricyclopentylphosphine, tripentylphosphine, cyclohexyl-dimethylphosphine, hexyl-dimethylphosphine, cyclohexyl-diethylphosphine, hexyl-diethylphosphine, cyclohexyl-dipropylphosphine, hexyl-dipropylphosphine, cyclohexyl-dibutylphosphine, hexyl-dibutylphosphine, cyclohexyl-dihexylphosphine, hexyl-dihexylphosphine, dicyclohexyl-methylphosphine, dihexyl-methylphosphine, dicyclohexyl-ethylphosphine, dihexyl-ethylphosphine, dicyclohexyl-propylphosphine, dihexyl-propylphosphine, dicyclohexyl-butylphosphine, dihexyl-butylphosphine, tricyclohexylphosphine, trihexylphosphine and trioctylphosphine.